BROWNBILT
SOCKET WRENCHES

The BROWN Co.

Syracuse, N. Y., U. S. A.

Introduction

Nearly fifteen years ago we began the manufacture of a line of specialties for the Automotive trade, and while many have been discontinued, for obvious reasons, the present booklet is compiled to display the more meritorious ones now being offered, augmented by the latest addition, namely:

BROWNBILT SOCKET WRENCHES

Being fully cognizant of wrench service requirements, new standards of strength, simplicity and finish have been built into each design, with individual wrenches and combination sets for larger selling cars, garages, service stations, etc.

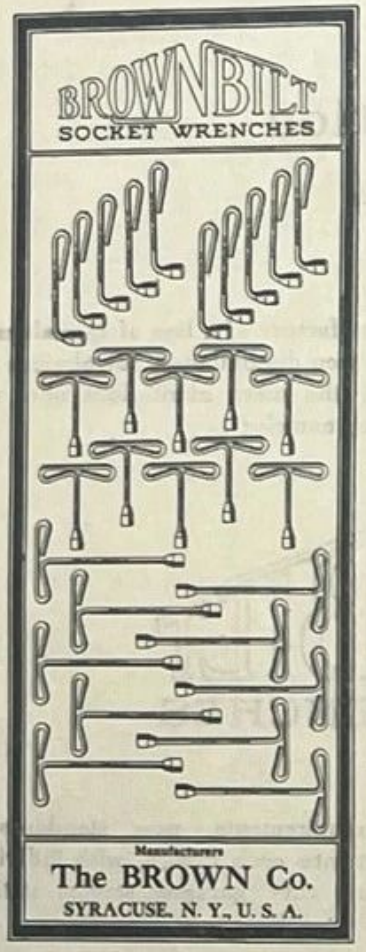
All Wrenches are finished in frosted nickel, and made rust proof by firstly applying a coat of copper, thus assuring a positive rust proof surface. Each piece carries a symbol number, accompanied by an imprint, designating size of sockets attached.

All BROWNBILT Wrenches are guaranteed against inferior material, ill-assembling and poor inspection, and that material which proves defective will be replaced if returned, charges prepaid, to factory.

Our object from the first has been to furnish only sundries of merit, our efforts having been directed almost solely toward embodying in them features that would render them as near perfect as possible; and we rejoice in the reputation for high standard of excellence they have won. This reputation we shall guard carefully, endeavoring at all times to be prepared to meet the requirements of our patrons satisfactorily.

We invite your close reading of booklet, feeling confident that if our merchandise is yet strange to you, a trial of such as appear applicable to your needs will win for us your confidence and business.

DISPLAY AND STOCK BOARD NO. 100
Given Free With Assortment of Wrenches



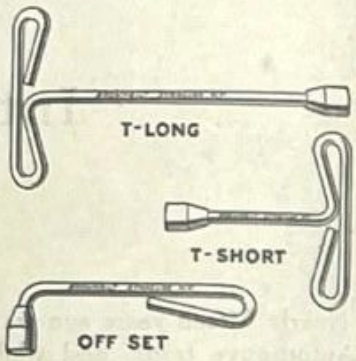
10 Sizes, Hexagonal Sockets

A complete stock for the trade of popular sizes and styles. Every dealer should have this board on display.

60T-Long Wrenches	$ .60	$36.00
60T-Short Wrenches	.55	33.00
60 -Offset Wrenches	.50	30.00

List price complete, with board.....$99.00

OFFSET AND "T" HANDLE SOCKET WRENCHES



SIZE	OFF SET	T-SHORT	T-LONG
7/16	3514	3614	3714
1/2	3516	3616	3716
9/16	3518	3618	3718
19/32	3519	3619	3719
5/8	3520	3620	3720
11/16	3522	3622	3722
3/4	3524	3624	3724
35/32	3525	3625	3725
13/16	3526	3626	3726
7/8	3528	3628	3728

"T" LONG WRENCHES
Shank 12", Top 6"—10 Numbers
Lot No. 3700.....List, each $ .60

"T" SHORT WRENCHES
Shank 6", Top 6"—10 Numbers
Lot No. 3600.....List, each $ .55

OFFSET WRENCHES
Shank 7"—10 Numbers
Lot No. 3500.....List, each $ .50

"T" UNIVERSAL JOINT WRENCH

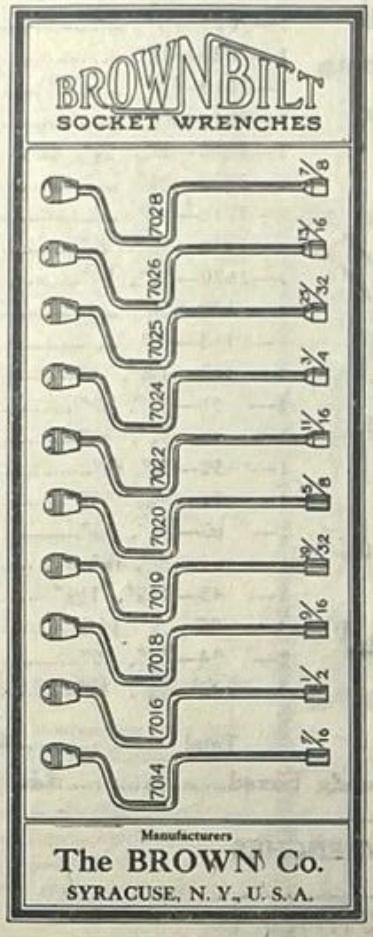
Designed specially for those difficult places. A valuable adjunct to the repair kit.

SIZE	Nº	PRICE
1/2"	116	2.50
9/16"	118	2.50
5/8"	120	2.50
11/16"	122	2.50
3/4"	124	2.50

"PACKED IN CARTONS CONTAINING 6 WRENCHES"

DISPLAY AND STOCK BOARD
No. 200

Given Free With Assortment of Speeders



This set contains 12 of each size, illustrated above.

Price, including board.....**List $105.60**

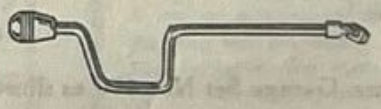
A Speeder Wrench is indispensable in assembling or dismantling motors, in fact any mechanical device in which nuts and bolts are used. A good mechanic cannot afford to be without a speeder.

SPEEDER WRENCHES

SIZE	Nº	SIZE	Nº
7/16"	7014	11/16"	7022
1/2"	7016	3/4"	7024
9/16"	7018	25/32"	7025
19/32"	7019	13/16"	7026
5/8"	7020	7/8"	7028

Lot No. 700—All sizes, each.....$ .88

UNIVERSAL JOINT SPEEDER

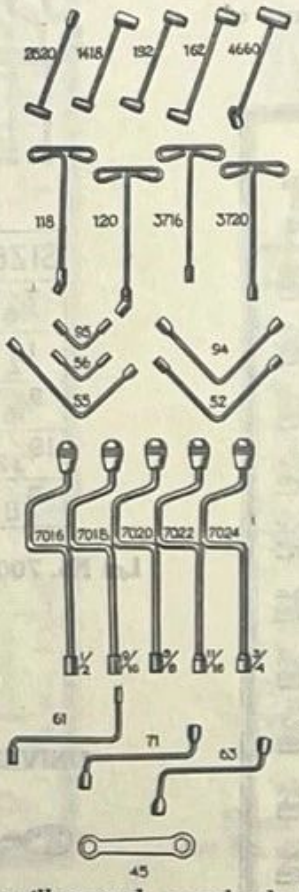


SIZE	Nº	PRICE
1/2"	216	3.00
9/16"	218	3.00
5/8"	220	3.00
11/16"	222	3.00
3/4"	224	3.00

The Universal Joint Speeder is made of the same quality of steel as our popular "T" handle wrench, only with the more convenient brace and swivel handle feature. One of our best sellers.

"PLEASE ORDER BY SYMBOL NUMBER"

ALL-SERVICE GARAGE SET
No. 400



ASSORTMENT

This Garage Set is the most complete socket wrench set for garage and service stations. No two sizes of sockets on same handle. A careful selection of the most popular and useful sizes including "L" or right-angle wrenches, also the "T" handle type with and without universal joint. With this **ALL-SERVICE SET**, can be reached practically all bolts and nuts.

LIST OF WRENCHES IN SET NO. 400 AS FOLLOWS:

1—	7024—¾"	$ .88
1—	7022—$\frac{11}{16}$"	.88
1—	7020—⅝"	.88
1—	7018—$\frac{9}{16}$"	.88
1—	7016—½"	.88
1—	4660—$\frac{11}{16}$", ⅞", $\frac{11}{16}$"	1.20
1—	3720—⅝"	.60
1—	3716—½"	.60
1—	1418—¾", $\frac{9}{16}$"	.80
1—	2620—⅝", ½"	.70
1—	120—⅝"	2.50
1—	118—$\frac{9}{16}$"	2.50
1—	162—$1\frac{1}{16}$", 1"	1.21
1—	56—½", $\frac{7}{16}$"	.66
1—	55—¾", ⅝"	.72
1—	52—$\frac{11}{16}$", $\frac{9}{16}$"	.72
1—	71—$\frac{25}{32}$", ⅝"	.72
1—	63—⅞", ¾"	.77
1—	61—$\frac{9}{16}$", $\frac{7}{16}$"	.71
1—	45—$1\frac{1}{4}$", $1\frac{1}{8}$"	.82
1—	95—$\frac{9}{16}$", ½"	.66
1—	94—⅞", ¾"	.77
1—	192—⅞", $\frac{11}{16}$"	.99
	Total	$22.00

All-Service Garage Set No. 400 as illustrated, completely boxed.....List $22.00

DEMOUNTABLE RIM WRENCHES

NO. R-20

Brace type, solid steel knurled handles. Swivel knob permitting both side or push grip. Made for hard service.

List, any sizes.....$1.10

TYPE	TYPE	SIZE	RIMS FITTED
R-20	RT-20	⅝"	KELSEY, FORD
R-22	RT-22	$\frac{11}{16}$"	FIRESTONE FISK, GOODRICH
R-24	RT-24	¾"	BAKER, CONTINENTAL DETROIT, STAN. WELD
R-26	RT-26	$\frac{13}{16}$"	STAN. WELD No 2 UNIVERSAL
R-28	RT-28	⅞"	FISK GOODYEAR

RT-20

A simple rim wrench with "T" handle. Made of same quality of material as our brace type. An ideal wrench for car manufacturers.

List, all sizes.....$ .55

"PACKED IN CARTONS CONTAINING 6 WRENCHES"

BROWNBILT
SOCKET WRENCHES

DISPLAY AND STOCK BOARD
No. 300
WRENCHES FOR THE FORD CAR

Number in Set		
5—2620	$ .70	$ 4.20
6—4810	.55	3.30
6—3718	.60	3.60
6—3720	.60	3.60
6—9564	1.30	7.80
6—1418	.80	4.80
5— 118	2.50	15.00
6— 120	2.50	15.00
6— 664	.77	4.82
6—7018	.88	5.25
6—7020	.88	5.25
6—VG-12	.88	5.28
5—VG-13	.55	3.30
5—4660	1.20	7.20
5—2881	1.10	6.60
5—2822	.66	3.96

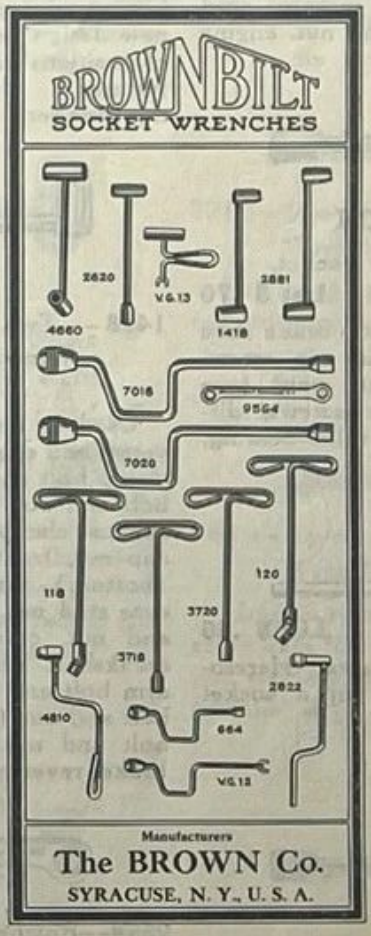
96 Wrenches....List Price, $99.00

Board given free with above assortment of Wrenches for the Ford car. Should be in every stock.

List of Wrenches—Ford Car

Axle housing bolt and nut 664, 2620
Ball socket bolt and nut 7018
Body bracket connecting bolt nut 4660
Brake adjusting nut 9564
Brake shoe support bolt 2620
Brake shoe support nut 1418
Brake reverse support bolt nut 1418
Carburetor flange bolt and nut 118
Clutch peddle support bolt nut 1418
Commutator case support bolt 3718-7018
Commutator case support bolt 3720-7020
Connecting rod cap bolt nut 4810-7020
Controller shaft, bracket bolt and nut 1418
Crank case arm bolt and nut (side) 1418
Crank case arm bolt and nut (top) 1418
Crank case and cylinder cap screw 7018-3718
Crank case lower cover screw 664
Crank shaft bearing bolt 2881
Crank shaft bearing bolt centre and front 2881-1418

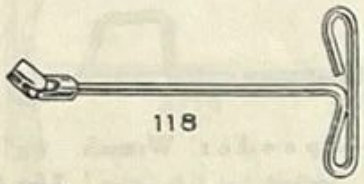
GOODS
WELL DISPLAYED
ARE HALF SOLD



PLEASE
ORDER BY
SYMBOL NUMBER

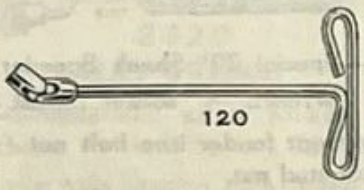
Crank shaft bearing bolt nut 1418
Cylinder cover bolt nut 3718
Cylinder cover cap screw 3718-7018
Cylinder head cap screw 2620
Cylinder valve cover, stud nut 118
Dash bracket to dash bolt nut 2620-664
Differential case stud nut 1418
Differential drive gear screw 664
Drive shaft roller bearing, stud nut 3720-2620
Fan adjusting screw 3718-7018
Fan bracket bolt 1418
Fly wheel cap screw 2822
Front fender iron bolt nut (side) 1418
Front fender iron bolt nut (bottom) 1418
Front radius rod nut 4660
Front spring clip nut 1418
Front and rear spring hanger nut 4660
Front spring perch nut 4660
Hub bolt nut 4660-7022
Hub brake rod support, bolt and nut 2620
Inlet and exhaust clamp stud nut 1418-118
Magnet bolt 3718-7018
Muffler rod nut 7016-664-3716
Piston pin lock screw 2881
Radiator stud nut 3718
Radius rod bolt and nut 4660
Rear hub lock nut 4660
Rear spring clip nut 4660
Reverse adjusting nut 9564
Running board bolt nut 2881
Running board fender, bolt nut 2881
Spindle bolt nut 1418
Spindle bolt with oiler 4660
Spindle connecting rod bolt and nut 4660
Spindle connecting rod bolt with oiler 4660
Steering post bracket, bolt and nut 1418
Steering tubing flange bolt nut 664
Steering yoke clamp bolt and nut 1418
Transmission cover bolt and nut 7018
Universal ball cap, bolt and nut 118-3718
Universal ball cap screw 118-1418
Water cylinder inlet connecting cap screw 2620
Water cylinder outlet connecting cap screw 2620

SERVICE TOOLS ADAPTED TO FORD CAR—Continued



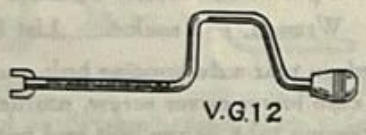
118—"T" Handle Universal Joint Wrench, $\frac{9}{16}$" socket.....**List $2.50**

Used on universal ball cap, cap screw, inlet and exhaust clamp stud nut, commutator case support bolt, carburetor flange bolt and nut, cylinder valve cover stud nut, universal ball cap bolt and nut.



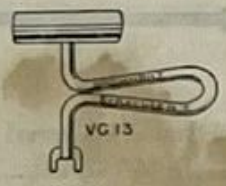
120—"T" Handle Universal Joint Wrench, $\frac{5}{8}$" socket.....**List $2.50**

For water cylinder inlet connections screw cap, connecting rod cap nut, cylinder head cap screw.



VG-12—Long Shank Valve Grinder.....**List $ .88**

Very flexible, making valve grinding a pleasure.



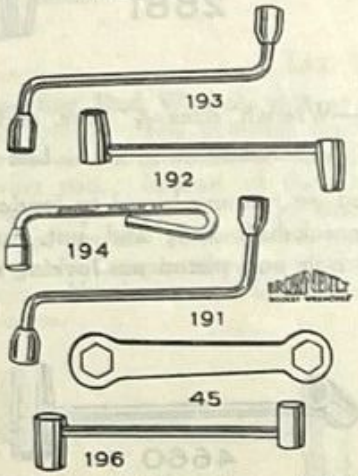
VG-13—Short "T" Swivel Handle. **List $ .55**

Very handy tool, reaching all valves.

CAR OWNER'S WRENCH SETS

Each wrench designed to reach that difficult place. A speedier tool for the garage and service stations.

MAXWELL SET



Lot No. 190—6 Wrenches.....**List $4.55**

191—Wrench, sockets $\frac{9}{16}$" and $\frac{3}{4}$". **List $ .71**

192—Wrench, sockets $\frac{15}{16}$" and $\frac{11}{16}$". **List $ .99**

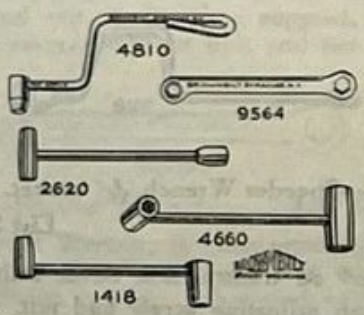
193—Wrench, sockets $\frac{11}{16}$" and $\frac{5}{8}$". **List $ .72**

194—Wrench, socket $\frac{1}{2}$".....**List $ .44**

45—Wrench, flat type, sockets $1\frac{1}{8}$" and $1\frac{1}{4}$".....**List $ .82**

196—Wrench, sockets $\frac{5}{8}$" and $\frac{1}{2}$".....**List $ .88**

FORD SET



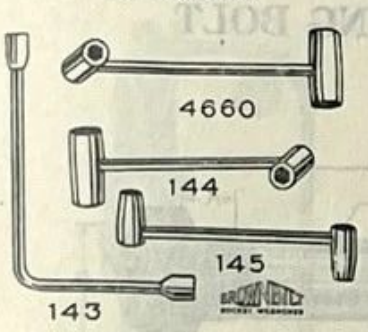
Lot No. 170.....**List $4.55**

Five most important tools for the Ford owner. For uses see Directory, page 5.

"BETTER TO BUY THE BEST THAN WISH YOU HAD"

CAR OWNER'S WRENCH SETS—Continued

BUICK SET



Lot No. 140—Four Wrenches..List $3.80

These designs cover all important nuts. Indispensable to service men.

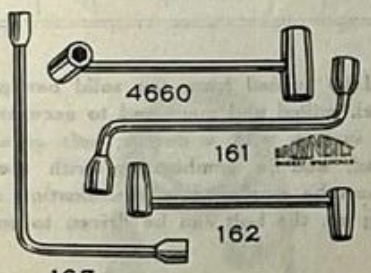
143—Wrench, sockets 1/2" and 5/8"..... **List $ .72**

144—Wrench, sockets 5/8", 9/16" and 1/2"..... **List $ .83**

145—Wrench, sockets 3/4" and 1". **List $1.05**

4660—Wrench, sockets 15/16", 7/8" and 11/16"..... **List $1.20**

OVERLAND SET



Lot No. 160—Four Wrenches..List $3.85

A careful selection of the most needed sizes.

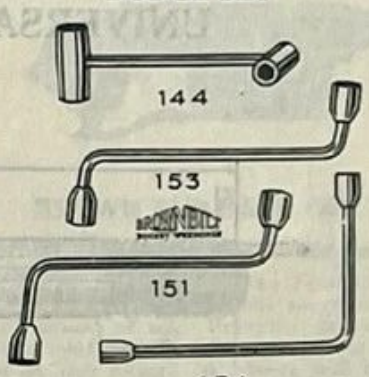
161—Wrench, sockets 5/8" and 3/4"..... **List $ .72**

162—Wrench, sockets 1" and 1 1/16". **List $1.21**

163—Wrench, sockets 9/16" and 1/2". **List $ .72**

4660—Wrench, sockets 11/16", 7/8" and 15/16"..... **List $1.20**

DODGE SET



Lot No. 150—Four Wrenches..List $3.00

Special designs. A sought-for selection by the owner and service man.

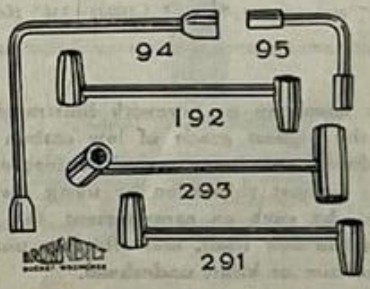
151—Wrench, sockets 9/16" and 7/8". **List $ .71**

153—Wrench, sockets 3/4" and 7/8"..... **List $ .77**

154—Wrench, sockets 11/16" and 1/2". **List $ .72**

144—Wrench, sockets 5/8", 9/16" and 1/2"..... **List $ .83**

CHEVROLET SET



Lot No. 290—Five Wrenches..List $4.75

All essential wrenches for the owner or repair man.

291—Wrench, sockets 1/2" and 5/8"..... **List $ .72**

192—Wrench, sockets 13/16" and 7/8". **List $ .99**

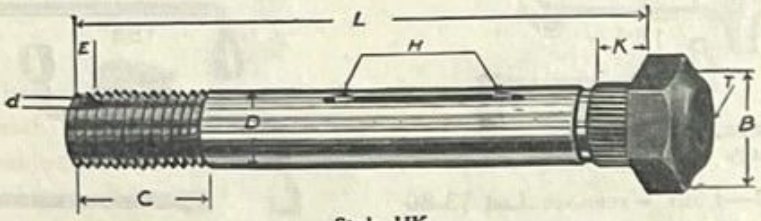
293—Wrench, sockets 13/16", 1 1/16", 3/4" and 33/32"..... **List $1.65**

94—Wrench, sockets 7/8" and 3/4". **List $ .77**

95—Wrench, sockets 9/16" and 1/2". **List $ .66**

"PLEASE ORDER BY SYMBOL NUMBER"

UNIVERSAL SPRING BOLT



Style HK

DIMENSION CHART

L	D	B	C	Pitch	E	d	T	H	K	Price
3 " and up x ¼"	½" (.500)	¾" Hex.	¾"	20"	7/16"	⅛"	⅛" Pipe	Wicks	¼"	$ .55
3 " and up x ¼"	9/16" (.562)	⅞" Hex.	¾"	18"	7/16"	5/32"	"	"	¼"	.60
3¼" and up x ¼"	5/8" (.625)	1 " Hex.	⅞"	18"	7/16"	5/32"	"	"	¼"	.65
3½" and up x ¼"	¾" (.750)	1 1/16" Hex.	1 "	16"	7/16"	5/32"	"	"	¼"	.75
4 " and up x ½"	⅞" (.875)	1⅛" Hex.	1⅛"	14"	7/16"	5/32"	"	"	¼"	.85
5 " and up x ½"	1 " (.1000)	1¼" Hex.	1¼"	14"	7/16"	5/32"	"	"	¼"	1.00

The specimen as herewith illustrated represents a fully turned from the solid bar product, utilizing the highest grade of low carbon cold rolled steel, milled and machined to accurate sizes, case hardened and heat treated to insure hard wearing surface with a ductile, soft core. The anchoring against revolution by using the hexagonal head, and in combination with the knurl underhead, by such an arrangement, the hexagon head can be employed in the location and assembly of the bolt itself, and after the outlets are looking up, the bolt can be driven to engage a cerated portion or knurl underhead.

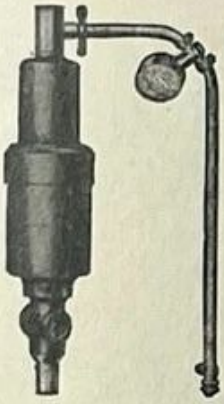
Each Universal Bolt is equipped with a standing wick, or wicks, depending upon the length and size of shank, and thus the term, Oil Bolt, is applicable. In event of a semi-solid or grease vehicle, simply remove the wicks.

Universal Spring Bolts are packed in boxes containing 25 of one size, properly labelled ready for the shelf.

We are also producers of valves, valve tappets, valve rollers, wrist pins, transmission shafts, cones, bearings and hardened and ground bushings of all kinds. Engine bolts, clevis pins, starting cranks, hubs, etc., are our specialty.

"BETTER TO BUY THE BEST THAN WISH YOU HAD"

MOTORING PRODUCTS



IMPULSE TIRE PUMP

Simply remove spark plug from one cylinder, screw in pump and run motor on remaining cylinders and your tires are inflated with pure cool air. When ordering state size of spark plug , whether ½" Standard, ⅞"-18 A. L. A. M. or Metric Thread.

Equipped complete, 12 ft. of hose, high grade gauge and self-opening valve connection.

List Price, $12.00

Patented Dec. 8, 1914

BROWN SUB-BASE OILER

As Attached to Ford Motor Base

A system designed for the Ford car. Will cool the motor and give 50% more mileage on given amount of oil. Prevents undue carbon, smoking and sooting of plugs. Five hundred miles on one filling. A glance will determine the oil level at all times. The oil is carried by the fly wheel to the front of motor and then distributed to various parts. At a given height the oil passes through the standpipe into sub-base, cooled and again picked up by fly wheel. Guaranteed. **List Price, $10.00**

COMPRESSOMETER

To indicate the motor compression. "Uniform Compression—More Power." Maximum hand records the highest pressure. Used by all motor manufacturers and service stations. Furnished in all threads. **List Price, $6.00**

BROWN JR. TIRE PUMP

For the light cars, such as Ford, Dort, Chevrolet, etc., built like the IMPULSE model with compound feature. Equipped complete with hose, gauge and valve connections. State size of plug or car. **List Price, $5.50**

VALVE GRINDER

For Poppet Valves. Does the work better in one-half the time. Rack and pinion design, rotating valve ¼ of a turn. **List Price, $3.50**

"BETTER TO BUY THE BEST THAN WISH YOU HAD"